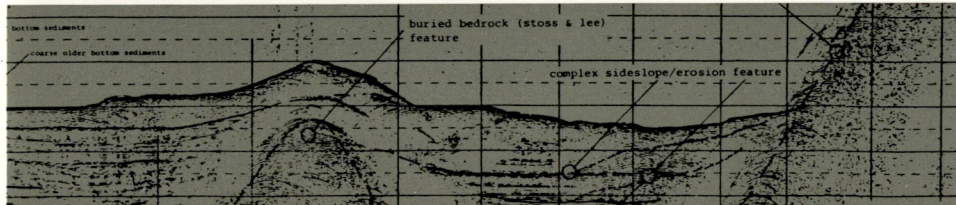
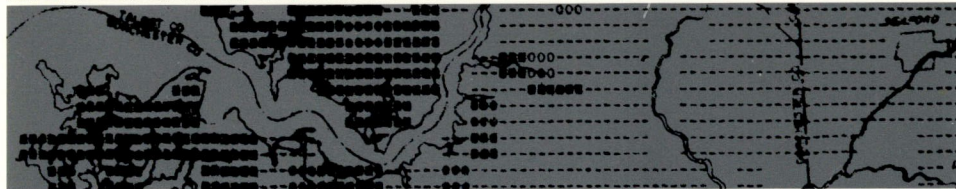
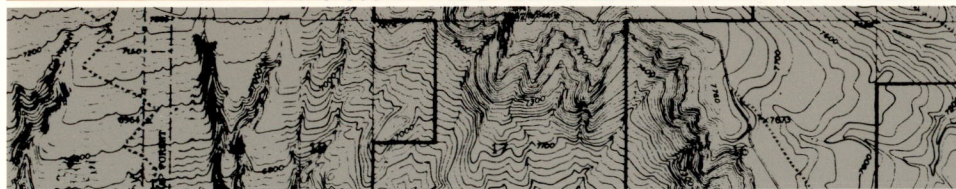
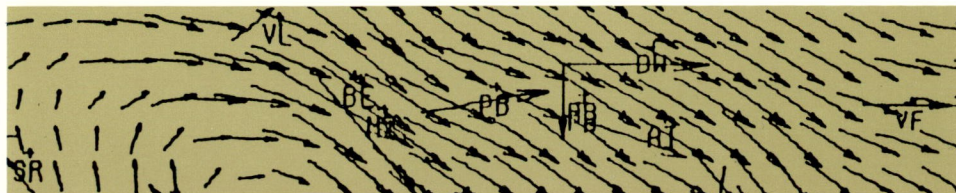


WA D342

12-29-88

17a



DAMES & MOORE

USEPA RCRA



3059246

REPORT
CONTAINER STORAGE AREA
BUILDINGS 17 AND 39
FOR
HILLMAN PROPERTIES NORTHWEST, INC.
VANCOUVER, WASHINGTON

DECEMBER 29, 1988
JOB NO. 17809-001-005

Dames & Moore



PORTLAND, OREGON



DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

1220 S.W. MORRISON ST., SUITE 404, PORTLAND, OREGON 97205-2260 (503) 228-7688

December 29, 1988

Hillman Properties Northwest, Inc.
900 North Tomahawk Island Drive Way
Portland, Oregon 97217

Attention: Mr. Douglas A. Hardesty
Vice President

Container Storage Area
Buildings 17 and 39
2000 East Columbia Way
Vancouver, Washington
Job Number: 17809-001

Dear Mr. Hardesty:

INTRODUCTION

This report presents the results of our professional engineering activities and observations during the closure operations at the container storage area in Buildings 17 and 39, Columbia Industrial Park (CIP), 2000 East Columbia Way, Vancouver, Washington. This report also provides certification of the closure by an independent registered professional engineer in accordance with the requirements of 40 CFR 265.115 and WAC 173-303-610.

DISCUSSION

Our independent engineering certification of the storage area closure is based on:

- a review of the approved Closure Plan, dated September 16, 1988;
- periodic site observations by Dames & Moore personnel and by the certifying engineer; and
- review of field memoranda and records of telephone conversations by other Dames & Moore personnel involved with the closure.

In early September 1988, Dames & Moore staff personnel observed site conditions in Building 39 and noted the presence of approximately 200 5-gallon waste paint buckets containing lead-based paint residue and 12 55-gallon drums containing wash water from the cleaning of the 200 buckets.



Hillman Properties Northwest, Inc.
December 29, 1988
Page 2

Dames & Moore personnel visited Building 39 and Building 17 on September 14, 1988, to assess whether storage of buckets and/or drums had resulted in releases to or contamination of those buildings.

At Building 39, visual observations were made of the bucket and drum storage area, the adjacent parking lot, and surface drains in the parking lot. No evidence of leakage or contamination was observed in the storage area, parking lot, or drains. No waste-related surface deterioration was observed, nor were any cracks located in concrete or asphalt surfaces that were identified as potential migration pathways.

At Building 17, visual observations were made of the drum storage area, and nearby storm drains. No evidence of waste leakage from the drums was observed. The three drums previously stored on the site contained contaminated soil and clothing. No waste-related surface deterioration was observed, nor were any cracks observed that could be potential migration pathways. Minor oil stains from equipment used in Building 17 was observed, but no contamination related to the drummed waste was found.

Photographs of Building 17 and Building 39 are presented in Appendix A. A completed closure checklist for each container storage area is included in Appendix B.

On September 16, 1988, the remaining waste paint buckets, 55-gallon drums, and associated materials were removed from Building 39 and disposed at an approved hazardous waste facility. Waste manifests for this material are included in Appendix C.

Dames & Moore personnel made a final observation of both sites on September 29, 1988; no signs of contamination were noted.

In response to an EPA request, Dames & Moore conducted a soil sampling program at the Columbia Industrial Park, Building 39, on November 29, 1988. Sampling locations were selected to evaluate potential soil contamination from lead paint sludge containers stored in the parking lot west of Building 39.

Three surface soil samples were collected from a landscaped area adjacent to the storage area (Figure 1). Holes were dug with a stainless steel spoon to a depth of one foot below the surface (exclusive of cover material). The sampled material was compacted sand. For each sample, material was removed from the side of the hole, composited on a clean plastic sheet, and placed directly in clean glass sample jars with Teflon lids. Sampling implements were washed with a solution of Alconox and water and rinsed with deionized water prior to collecting each sample. Samples were transferred to the laboratory under fully executed chain-of-custody documentation and analyzed for total lead. Sampling activities were documented by field notes made at the time of sampling.

Hillman Properties Northwest, Inc.
December 29, 1988
Page 3

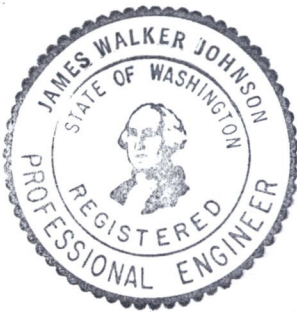
Sample analysis results are reported in Appendix D. Lead was not detected in any sample.

CERTIFICATION OF CLOSURE

As an independent registered professional engineer engaged to certify closure operations pursuant to 40 CFR 265.115 and WAC 173-303-610, I hereby attest, based on my visit to both sites, a review of pertinent closure information/operations, and the closure plan submitted by Hillman Properties Northwest, Inc. on September 16, 1988, that the container storage areas in Building 39 and Building 17 have been closed in accordance with the specifications of the approved Closure Plan.

Very Truly Yours,

DAMES & MOORE

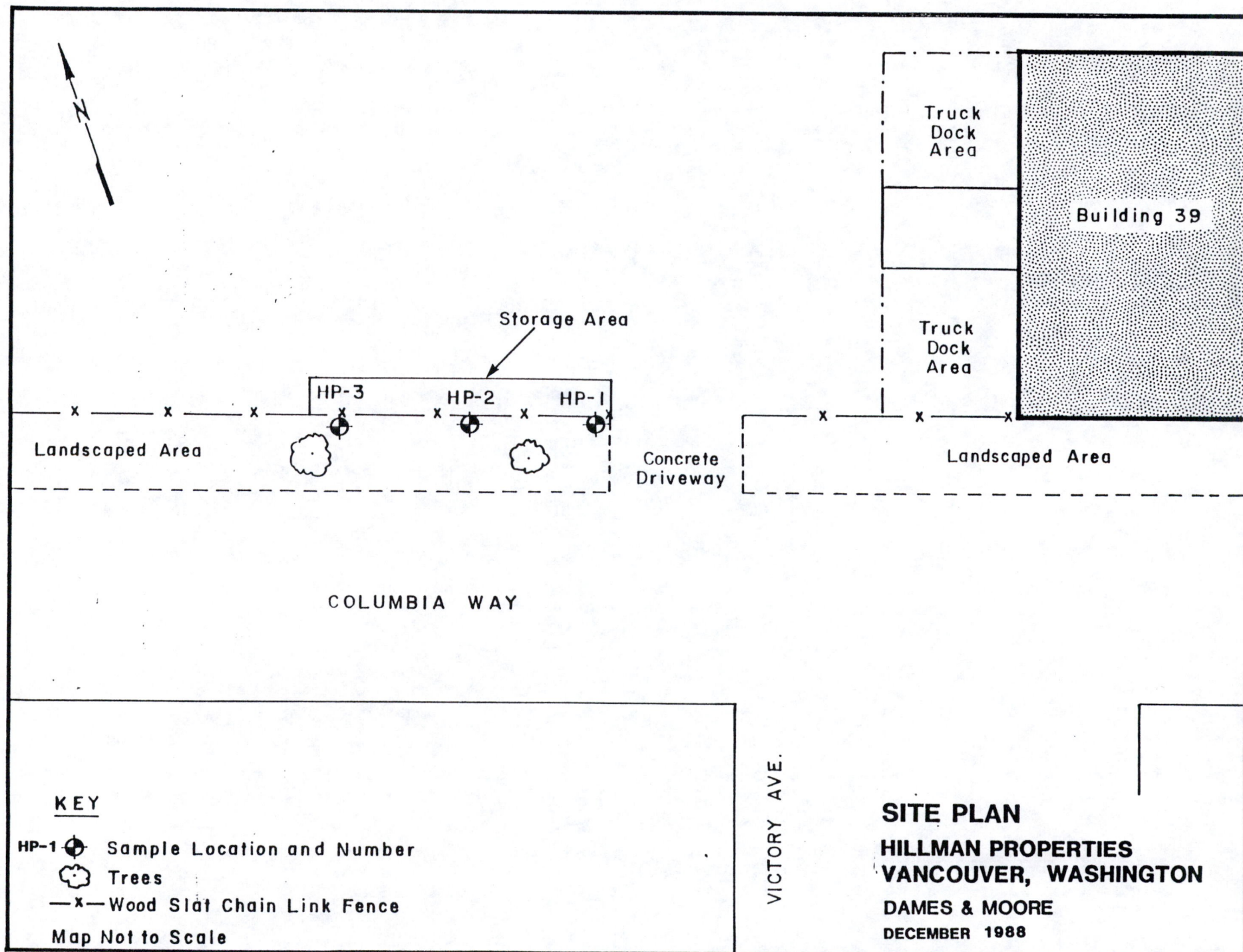
A handwritten signature in dark ink that reads "James W. Johnson".

James W. Johnson, P.E.
Senior Engineer

A handwritten signature in blue ink that reads "Kim L. Marcus".

Kim L. Marcus
Project Manager

\\bruce\hill01.ltr



ATTACHMENT A
PHOTOGRAPHIC DOCUMENTATION

Date: September 14, 1988 Time: 9:00 AM Taken By: W.M.

Direction Photograph Taken: looking southwest

Description: East side of Building 17



Date: September 14, 1988 Time: 9:00 AM Taken By: W.M.

Direction Photograph Taken: looking southeast

Description: Storm drain east of Building 17



Date: September 14, 1988 Time: 9:02 AM Taken By: W.M.

Direction Photograph Taken: N/A

Description: Drum storage area in Building 17. Stains on ground evident
of oil leakage from building vehicles and equipment.



Date: _____ Time: _____ Taken By: _____

Direction Photograph Taken: _____

Description: _____

Date: September 14, 1988 Time: 9:12 AM Taken By: W.M.

Direction Photograph Taken: looking west

Description: Storm drain at southeast corner of drum/bucket storage area of
of Building 39



Date: September 14, 1988 Time: 9:12 AM Taken By: W.M.

Direction Photograph Taken: N/A

Description: Area immediately east of storage area by fence. Plastic is
at edge of storage area. No signs of contamination evident.



Date: September 14, 1988 Time: 9:10 AM Taken By: W.M.

Direction Photograph Taken: looking southeast

Description: Waste paint buckets



Date: September 14, 1988 Time: 9:10 AM Taken By: W.M.

Direction Photograph Taken: looking northwest

Description: Landscaped area on south side of drum storage area



Date: September 14, 1988 Time: 9:07 AM Taken By: W.M.

Direction Photograph Taken: looking east-northeast

Description: Front of Building 39



Date: September 14, 1988 Time: 9:08 AM Taken By: W.M.

Direction Photograph Taken: looking southwest

Description: Waste paint buckets and associated 55-gallon drums. No signs of
leakage evident.



Date: September 14, 1988 Time: 9:05 AM Taken By: W.M.
Direction Photograph Taken: looking south-southeast

Description: Waste paint buckets and 55-gallon drums being stored on
Building 39 parking lot. Buckets wrapped in plastic.



Date: September 14, 1988 Time: 9:06 AM Taken By: W.M.
Direction Photograph Taken: looking east
Description: Front of Building 39



APPENDIX B

CLOSURE PLAN CHECKLIST FOR BUILDINGS 39 AND 17

CHECKLIST FOR CLOSURE
PLAN OF DRUMS

HILLMAN PROPERTIES NORTHWEST, INC.
SEPTEMBER 14, 1988

BUILDING 17

1. NUMBER OF DRUMS REPORTED ON-SITE 3-55 gallon sealed and locked drums
2. LOCATION OF DRUMS IN BUILDING Approximately middle of building,
stored on pallets.
3. IS THERE EVIDENCE THAT THE DRUMS LEAKED? No leakage detected
(oil stains on floor from equipment)

DISCOLORATION N/A SMELL/ODOR N/A SHEEN N/A DISTRESSED VEGETATION N/A

4. LOCATION OF NEAREST SUMP(S) Approximately 100 feet east of drums
(approximately 50 feet outside of building)
5. ARE THERE CRACKS IN THE FLOOR? YES NO
Small expansion cracks
6. DO THE CRACKS SHOW EVIDENCE OF CONTAMINANT MIGRATION? YES NO
7. HOW THICK IS THE FLOOR SLAB? 4 to 6 inches of concrete
8. WHAT IS THE SUBGRADE SOIL? Approximately 9 feet of dredge sand then
clay
9. COULD CONTAMINANT HAVE FLOWED ALONG THE FLOOR SLAB INTO SOILS
ADJACENT TO THE BUILDING? No (building has asphaltic concrete around
outside)

COMMENTS Building is approximately 200 x 85 feet. 55 gallon sealed drums
and locked. Drums contained clothing and floor sweepings.

BUILDING 39

1. NUMBER OF DRUMS REPORTED ON-SITE 39
2. LOCATION OF DRUMS IN BUILDING Outside of building on asphaltic concrete
(area is approximately 100 feet west of building)
3. IS THERE EVIDENCE THAT THE DRUMS LEAKED? No
DISCOLORATION N/A SMELL/ODOR N/A SHEEN N/A DISTRESSED VEGETATION N/A
4. LOCATION OF NEAREST SUMP(S) Storm drain approximately 10 feet from
S.W. corner of storage area.
5. ARE THERE CRACKS IN THE FLOOR? YES NO
6. DO THE CRACKS SHOW EVIDENCE OF CONTAMINANT MIGRATION? YES NO
7. HOW THICK IS THE FLOOR SLAB? Approximately 4 inches asphaltic concrete
8. WHAT IS THE SUBGRADE SOIL? Approximately 9 feet of dredge sand then clay
9. COULD CONTAMINANT HAVE FLOWED ALONG THE FLOOR SLAB INTO SOILS
ADJACENT TO THE BUILDING? Yes, (area is next to fence with landscaped
area between stored drums and road). No noticable signs of contaminants in
this area.
COMMENTS A small hump in area between storage and dry well at north end
of dock.

APPENDIX C.
WASTE MANIFESTS

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 8580 1020 Form Approved OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WAD097890342		Manifest Document No. 00009		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.	
		3. Generator's Name and Mailing Address Cascade Tendering 2000 E Columbia Wy Vancouver, WA 98661		6. US EPA ID Number WAD980983746		A. State Manifest Document Number		B. State Generator's ID WPR-517A	
4. Generator's Phone (503) 228-6420		5. Transporter 1 Company Name DR. BECKER		7. Transporter 2 Company Name		C. State Transporter's ID		D. Transporter's Phone	
9. Designated Facility Name and Site Address ENVIROSAFE SERVICES OF IDAHO INC 10 1/2 miles NW Grandview Missile Base Road Grandview, Id. 83624		10. US EPA ID Number ID0073114654		E. State Transporter's ID		F. Transporter's Phone		G. State Facility's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol		Waste No.	
a. Hazardous waste solid, N.O.S. ORM-E NA 9189		No. 2 Type CW		200		P			
b.									
c.									
d.									
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information Wear dust mask, gloves + goggles									
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.									
Printed/Typed Name Randall T. Price		Signature Randall T. Price		Month Day Year 9 22 88					
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name D.R. Becker Gen. Cont.		Signature D.R. Becker		Month Day Year 9 22 88			
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space #11a R9 Required per conversation with Randy Dux 9/23/88 2:15 PM.									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.									
Printed/Typed Name CAROL PRICE		Signature Carol Price		Month Day Year 10/23/88					

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WAD092890342		Manifest Document No. 83015		2. Page 1 of 1		Information in the shaded areas is not required by Federal law							
3. Generator's Name and Mailing Address CUSTOM GLASS INDUSTRIES 2000 E. Columbia Way, Building #39, Vancouver, WA 98661						A. State Manifest Document Number									
4. Generator's Phone (206) 693-7801						B. State Generator's ID									
5. Transporter 1 Company Name Pegasus Waste Management, Inc.				6. US EPA ID Number ORD981766405		C. State Transporter's ID									
7. Transporter 2 Company Name Pegasus Waste Management, Inc.				8. US EPA ID Number ORD981766405		D. Transporter's Phone (503) 682-5802									
9. Designated Facility Name and Site Address Envirosafe Services of Idaho, Inc. 10.5 miles N.W. of Grandview, Idaho 83624				10. US EPA ID Number IDDO73114654		E. State Transporter's ID									
						F. Transporter's Phone (503) 682-5802									
						G. State Facility's ID									
						H. Facility's Phone (208) 834-2275									
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.			
a. <input checked="" type="checkbox"/> RQ Hazardous Waste Solid, n.o.s., ORM-E, NA9189 (D007.D008)						038 DM		19,000 P				D007.D008			
b.															
c.															
d.															
J. Additional Descriptions for Materials Listed Above a. RQ = 1/0.454 PCN #430-A						K. Handling Codes for Wastes Listed Above									
15. Special Handling Instructions and Additional Information Dike and contain all spills, Notify: U.S. Coast Guard National Response Center 800-424-8802; Oregon Accident Response System in Oregon 800-452-0311, outside Oregon (503) 378-4124; Oregon Department of Environmental Quality.															
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.															
Printed/Typed Name LARRY D. VOCKLER						Signature <i>[Signature]</i>						Month Day Year 18 17 83			
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name BOB WILSON						Signature <i>[Signature]</i>		Month Day Year 08 18 86	
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name						Signature		Month Day Year	
19. Discrepancy Indication Space															
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.															
Printed/Typed Name EST I by Kenneth D. Wall						Signature <i>[Signature]</i>						Month Day Year 08 17 88			

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WAD092890342		Manifest Document No. 83021		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address CASCADE TEMPERING 2000 E. Columbia Way, Vancouver WA 98661						A. State Manifest Document Number							
4. Generator's Phone (503) 232-0824						B. State Generator's ID							
5. Transporter 1 Company Name Pegasus Waste Management, Inc.			6. US EPA ID Number ORD981766405			C. State Transporter's ID							
7. Transporter 2 Company Name Pegasus Waste Management, Inc.			8. US EPA ID Number ORD981766405			D. Transporter's Phone (503) 682-5802							
9. Designated Facility Name and Site Address Envirosafe Services of Idaho, Inc. 10.5 miles NW of Grandview, ID 83624			10. US EPA ID Number IDD073114654			E. State Transporter's ID							
						F. Transporter's Phone (503) 682-5802							
						G. State Facility's ID							
						H. Facility's Phone (208) 384-1500							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.	
a. <input checked="" type="checkbox"/> Hazardous Waste Solid, n.o.s., ORM-E NA9189						202 DM		400		P		D008.WT02	
b. <input checked="" type="checkbox"/> Hazardous Waste Solid, n.o.s., ORM-E NA9189						202 DM		400		P		D008.WT02	
c.													
d.													
J. Additional Descriptions for Materials Listed Above a. RQ = 1/0.454 ESII PCN# 430C b. RQ = 1/0.454 ESII PCN# 430B						K. Handling Codes for Wastes Listed Above							
15. Special Handling Instructions and Additional Information dike and contain all spills. Notify: U.S. Coast Guard National Response Center 800-424-8802; Oregon Accident Response System in Oregon 800-452-0311, outside Oregon (503) 378-4124; Oregon Department of Environmental Quality.													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name CHRISTINE WATKINS						Signature <i>Christine Watkins</i>				Month Day Year 08/17/88			
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Steve Alexander						Signature <i>Steve Alexander</i>				Month Day Year 08/17/88			
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Bob Wilson						Signature <i>Bob Wilson</i>				Month Day Year 08/17/88			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name ESTI J. Kenneth D. Wall													
						Signature <i>Kenneth D. Wall</i>				Month Day Year 08/17/88			

Pegasus Waste Management, Inc.

Pg 1 of 2

SERVICE ORDER

503/682-5802, 1-800-354-9033

Job No. (1077-02) Date 8/4/88
Name CASCADE TEMPERING
Address 2000 E. COLUMBIA WAY ^{Bldg. 17}
WAINWATER, WA. 98661
Phone (503) 232-0824
EPA ID No. WA092890342

Customer P.O. No. _____
Name SRH. ASSOCIATES, INC
Address 123 N.E. THIRD AVE.
PORT., OR. 97232
SRH. → Contact STEVE LOCKE / JIM MOOTS
Work To Be Done On: NEXT ESE - ASAP

JOB/SERVICE TO COMPLETE:

P/U 1 OM SOIL

2 OMS DEBRIS

check OMS for free LIQUIDS

*CALL JIM MOOTS

FOR LOCATION OF OMS

& MANIFEST SIGNATURE

THIS SITE HAS BEEN ABANDONED YOU WILL NEED TO MAKE SPECIAL ARRANGEMENTS

PROTECTION LEVEL A B (C) (D)?

TOOLS/SUPPLIES NEEDED:

#1 SOIL →

ID/LISTING INFO

WCF # 430 C

EPA Waste # 0008

State Waste # ~~WTO2~~

EHW Permit # N/A

BILLING INFO:

UNIT PRICE

TOTAL

Operations:

Labels

☐ _____
No. Type

☐ _____
No. Type

☐ _____
No. Type

☐ Manifest

☐ BOL

☐ Transport.

Scheduled

☐ Manifest

Check

Driver:

☐ DOT Drums

☐ Leaks - Top/Bottom

☐ Gaskets - Tops

☐ Gaskets - Bungs

☐ Tops/Bungs

☐ Labels

☐ Labels Match Manifest

☐ Tip Check

☐ Loaded Count - Matches Manifest

☐ Placards on Truck

☐ Manifest Signed

☐ BOL Signed

☐ Order Signed - Cust., Driver

Shipping Info (DOT):

Shipping Name HAZARDOUS WASTE SOLID, N/C/S,

Hazard Class ORM-E

ID No. NA 9189

RQ No. ~~Yes~~ Yes 1 P

Labels ☒ DOT ORM-E

☒ Hazardous Waste

Placards None

Estimated Weight per 55 gal. container 500 P

Estimated Load Count 1 OM

Actual Load Count _____

TSD Facility EST

Date Completed: 8/17/88

Customer: Jay Deemo

Driver: Steve & Todd

Billed by: _____

Date: _____

Salesman:

BRIAN/KR

**SERVICE ORDER
CONTINUATION SHEET**

CUSTOMER NAME: CASCADE TEMPERING
JOB # (1077-02)

Pg. 2 of 2

(DEBRIS) #2

Shipping Name: HAZARDOUS WASTE SOLID, N.O.S.

Hazard Class: ORM-E

ID #: NA 9189

RQ ~~YES~~ Yes ☒ IP (DC08)

Labels ☒ DOT ORM-E

☒ Haz. Waste

Estimated Weight 500P

Est. Load Count 2 DMS

Act. Load Count

ID/LISTING INFO.

WCF/APP # 430 B (DEBRIS)

EPA WASTE # DC08

STATE WASTE # W702

EHW PERMIT # N/A

JOB/SERVICE TO COMPLETE:

Shipping Name:

Hazard Class:

ID #:

RQ No ☐ Yes ☐

Labels ☐ DOT

☐ Haz. Waste

Estimated Weight

Est. Load Count

Act. Load Count

ID/LISTING INFO.

WCF/APP #

EPA WASTE #

STATE WASTE #

EHW PERMIT #

JOB/SERVICE TO COMPLETE:

Shipping Name:

Hazard Class:

ID #:

RQ No ☐ Yes ☐

Labels ☐ DOT

☐ Haz. Waste

Estimated Weight

Est. Load Count

Act. Load Count (2)

ID/LISTING INFO.

WCF/APP #

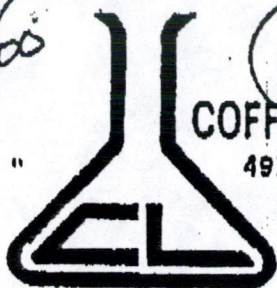
EPA WASTE #

STATE WASTE #

EHW PERMIT #

JOB/SERVICE TO COMPLETE:

879/100



COFFEY LABORATORIES, INC.

 4914 N.E. 122nd Ave.
 Portland, OR 97230
 Phone: (503) 254-1794

Lab Log#

A880715-2

Customer

New

Due date

R F C

Verbal Results

CLIENT REPORT INFORMATION

Company

SRH

Address1

Address2

City

State

Zip

Attention

Phone

CLIENT BILLING INFORMATION

Company

PO 1209-2

Address1

Quote#

Address2

City

1) Prepay

Cash

Check#

State

Zipcode

2) Pay for Rel

Part Pay

Attention

Phone

3) Net 30

4) Prof Courtesy

IMPORTANT INFORMATION ABOUT YOUR SAMPLE

COMMENTS:

WHO COLLECTED YOUR SAMPLE:

DO YOU HAVE SPECIAL ANALYSIS INSTRUCTIONS

Client Name

Minimum Detection Limits

Coffey Lab

Specific Methods

3rd Part

Other Instructions

IF YOUR SAMPLE IS MULTI PHASED SHALL WE:

- ☐ Test Each Phase Separately
☐ Test One Phase Only? Which Phase?
☐ Mix All Phases By Shaking
☐ Dry Sample and Test Residue

IF YOUR SAMPLE IS VET SHALL WE:

- ☐ Test As Received
☐ Dry Sample First
☐ Ash Sample First

IF SAMPLE IS LIQUID AND CONTAINS
SEDIMENT OR PARTICULATE SHALL WE:

- ☐ Test Filtrate Only
☐ Mix Sample by Shaking
☐ Test Particulate Only

Who do we call if we have questions

Phone

Continued on the Back Side of This Paper

RECEIVED JUL 23 1988 ✓

**COFFEY LABORATORIES, INC.**

4914 N.E. 122nd Ave.
Portland, OR 97230
Phone: (503) 254-1794

July 20, 1988
Log#A880715-Q2
PO# 1209-2

SRH Associates
123 NE 3rd
Suite 230
Portland, OR 97232
Attention: Steve Locke

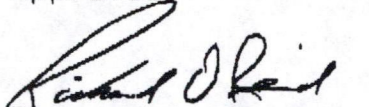
Sample Received: 07/15/88
Sample Delivered by: Client

ANALYSIS	METHOD	CLOTH 1209-2-715-1	SOIL 1209-2-715-2	UNITS	LIMITS
Total Organic Halogens	Volhard	--	< 0.01	%	--
Leachable Lead	EPA 1310/200.7	93.	213.	mg/L	5.0

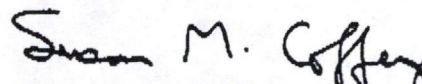
Federal Register, 40 CFR Part 136, Method 200.7, Friday
October 26, 1984, Part VIII

The less than "<" symbol means none detected at or above the indicated value and represents the detection limit for the method.

Approved,


Richard D. Reid,
Laboratory Director

Sincerely,


Susan M. Coffey,
President

SMC/lws

This report is for the sole and exclusive use of the above client.
Samples are retained a maximum of 15 days from the date of this report,
or until maximum holding time has expired.

Mailing Address:
P.O. Box 417
Boise, Idaho 83701-0417
(208) 384-1500

GENERATOR WASTE PRODUCT QUESTIONNAIRE
ENVIROSAFE SERVICES OF IDAHO, INC.

U.S. EPA ID. Number ID0073114654

Facility Address
10 1/2 Miles NW Grandview
Missile Base Road
Grandview, Idaho 83624

SECTION A - GENERATOR DATA

1. Generator CASCADE TEMPLAR
Address 2000 E. COLUMBIA WAY
City/State VANDERBILT, WA. ZIP 98661
Tech. Contact STEVE LOCKE (SR) TEL (503) 232-0824
U.S. EPA IDENTIFICATION NUMBER
WA D092890342

2. Billing/Broker PEGASUS WASTE MANAGEMENT, INC.
Address 30250 S.W. PARKWAY AVE.
City/State WILSONVILLE, OR ZIP 97070
Billing Contact DIANE ANNALA TEL (503) 682-5802

Envirosafe Services Only	
Application #	
WPQ	
CUST #	0
<input type="checkbox"/> DIRECT BILLING BROKER	<input type="checkbox"/> ACES
Sales Zone Code	
TAX	<input type="checkbox"/> YES <input type="checkbox"/> NO
Cell 5 Waste	<input type="checkbox"/>
MANIFEST CERTIFICATION REQUIRED	<input type="checkbox"/>

SECTION B - WASTE CHARACTERIZATION

1. Common Name for This Waste: DEBRIS, LEAD CONTAMINATED CLOTHING, RESPIRATOR, ETC.
2. Process Generating This Waste: CLEAN-UP OF FACILITY

3. Annual Quantity: 100 ☐ Tons ☐ Yards ☒ Gallons 3.1 2 ☒ Drums
(Annual Quantity)
4. Shipment Duration: ☐ Permanent (1 Year or Longer) ☒ Temporary (Less Than 1 Year)
5. Shipment Mode: ☐ Bulk ☐ Palletized Boxes ☐ Woven Cloth Bags ☒ Metal Drums
☐ Other:

SECTION C - PHYSICAL PROPERTIES

As Shipped To ESI

1. Is waste shipped different than waste as produced at initial point of generation? ☐ YES ☒ NO
If yes, must include Attachment A to describe waste as initially generated.

2. Describe physical state at 70°F
☒ Dry Solid ☐ Damp Solid ☐ Powder ☐ Semi-Solid/Gel ☐ Flowable Liquid ☐ Labpack
☐ Other

3. Describe Load Bearing Strength at 70°F:
☒ Solid/Rigid ☐ Sludge ☐ Weak/None
3.1 Penetrometer PSI: N/A
3.2 % Solids @105°C: 100%

4. Describe Physical Appearance of Waste (Include Color):
DEBRIS - CLOTHING, RAGS, RESPIRATOR CARTRIDGES
5. Apparent Density of Waste: Lb./Cu. Yard

6. Flash Point:
☐ <70°F ☐ 70-100°F ☐ 101-140°F ☐ 141-200°F ☒ >200°F
6.1 Actual Flash Pt: N/A °F 6.2 Combustible: ☐ Yes ☒ No

7. pH Range (50% Slurry in Distilled Water for Solid): N/A
7.1 Actual pH (S.U.): N/A

8. Describe Odor of Waste:
☒ None ☒ Slight ☐ Strong
Describe
9. Viscosity (Liquids): Similar to
☐ Water ☐ Motor Oil ☐ Honey
☒ Other CLOTHING

10. Debris in Waste:
☒ Yes ☐ No Describe CLOTHING, RAGS, RESPIRATOR CARTRIDGES
11. Potential for presence/Separation of Incidental Liquids during transport:
☐ Yes ☒ No

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SECTION D - WASTE COMPOSITION

As Shipped To ESI

1. List all components within the waste stream by percentage. Account for 100 percent of waste in the TYPICAL % column.

	TYPICAL %	RANGE %
DEBRI	99%	
LEAD	0.0093%	

SECTION E - ANALYTICAL REPORT

As Shipped To ESI

PARAMETER	mg/Kg (Total)	mg/L (Extract)	N/A	PARAMETER	mg/Kg (Total)	mg/L (Extract)	N/A	PARAMETER	mg/Kg (Total)	mg/L (Extract)	N/A
Aluminum			X	Total Cyanide			X	Carbon Disulfide			X
Antimony			X	Free Cyanide				Carbon Tetrachloride			
Arsenic			X	Total Sulfide				Chlorobenzene			
Barium			X	Free Sulfide				Cresols-Cresylic Acid			
Beryllium			X					Cyclohexanone			
Cadmium			X	Phenolics				1,2-Dichlorobenzene			
Chromium (hex)			X	Chloride				2-Ethoxyethanol			
Chromium (tot)			X	Fluoride				Ethyl Acetate			
Cobalt			X	Phosphate				Ethyl Benzene			
Copper			X	Sulfate				Ethyl Ether			
Iron			X	Nitrate-N				Isobutanol			
Lead		93		Nitrite-N				Methanol			
Mercury			X	Ammonia-N				Methylene Chloride			
Nickel			X	Kjeldahl-N				Methyl Ethyl Ketone			
Selenium			X	Oil & Grease				Methyl Isobutyl Ketone			
Silver			X					Nitrobenzene			
Thallium			X	TOC (Carbon)				2-Nitropropane			
Zinc			X	TOX (Halogen)				Orthodichlorobenzene			
								Pyridine			
Endrin			X	PCB				Tetrachloroethylene			
Lindane			X					Toluene			
Methoxychlor			X	Dioxins				1,1,1-Trichloroethane			
Toxaphene			X					1,1,2-Trichloroethane			
2,4-D			X					Trichlorofluoroethane			
2,4,5-TP/Silvex			X	Acetone				Trichloroethylene			
			X	Benzene				Trichlorobromomethane			
				Butanol				Xylene(s)			

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SECTION F - WASTE CLASSIFICATION

As Shipped To ESII

T. RCRA Waste Description from 40 CFR 261: ☐ RCRA NON-HAZARDOUS

2. RCRA EPA Waste Code(s) from 40 CFR 261:

D	0	0	8

3. Does Waste Contain the Following:

EXPLOSIVE	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
SHOCK SENSITIVE	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
PYROPHORIC	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
ETIOLOGICAL	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
THERMALLY UNSTABLE	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO
RADIOACTIVE	<input type="checkbox"/> YES	<input checked="" type="checkbox"/> NO

If YES, Explain in Section H

4. State Waste Codes: State of

☒ NOT APPLICABLE

SECTION G - U.S. DOT SHIPPING DESCRIPTION

1. D.O.T. Hazardous Material? ☒ Yes ☐ No 2. D.O.T. RQ Required: ☐ Yes ☒ No ☐ N/A3. Proper D.O.T. Shipping Name: HAZARDOUS WASTE SOLID, NOS.4. D.O.T. Hazard Class: ORM-E5. D.O.T. ID Number: NA 41896. Additional D.O.T. Description: N/A

SECTION H - ADDITIONAL COMMENTS

Additional Comments, Descriptions, or Waste Stream Information:

PROCESS DIAGRAM OR PHOTOGRAPH

SECTION J - CERTIFICATION

- Is this waste the result of a product spill clean-up? ☒ Yes ☐ No
- Has this waste been treated by: ☐ Solidification (solely using absorbents)
☐ Stabilization (irreversible chemical transformation or encapsulation) ☒ N/A
- If solidified or stabilized list all additives in Section D.
- Does this waste pass the EPA specified Paint Filter Test? ☒ Yes ☐ No
- If this waste has been stabilized, have you demonstrated that chemical stabilization has occurred? If yes, attach demonstration date. ☐ Yes ☐ No ☒ N/A
- Are the total Halogenated Organic Compounds present in this waste, as shipped to ESII, at the following levels?
☒ None Present ☐ 0 to 99 mg/Kg ☐ 100 to 499 mg/Kg ☐ 500 to 999 mg/Kg ☐ > 1000 mg/Kg
- Is this waste regulated under a Land Disposal Ban as promulgated in CFR 40 part 268? ☐ Yes ☒ No
- If 7. was answered yes; Is this waste currently allowed to be Land Disposed under a regulatory Variance or Exception? ☐ Yes ☐ No
- If 8. was answered yes, please provide the applicable Variance or Exception information below:
☐ RCRA Corrective Action Waste (3004u or 3008h) ☐ CERCLA Response Action Waste (Sec. 104 or 106)
☐ Meets Established BDAT Standards (Must attach complete analytical data on required parameters)
☐ Other Variance/Exception: (Explain) _____
- Attach the applicable certifications required under 40 CFR 268.7.

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11. GENERATOR CERTIFICATION STATEMENT

A. Certification of Liquids Treatment (for all non-liquid bulk wastes).

1. ☒ The waste was generated as a solid material containing no free liquids.

— OR —

2a. ☐ The waste was initially generated as a bulk liquid or hazardous waste containing free liquids.

— AND —

b. ☐ The waste has been treated to eliminate free liquids in compliance with Section 3004 (c) of the Resource Conservation and Recovery Act (RCRA) of 1976, as amended by the Hazardous and Solid Waste Amendments of 1984.

— AND —

c. ☐ The treatment process utilized did not employ the addition of absorbents to the waste (unless used in a stabilization process).

— AND —

d. ☐ The materials used in the treatment process do not biodegrade or release liquids when compressed.

B. Certification Statement

I hereby certify that as an authorized representative of the generator named above, all information submitted in this and all the attached documents is true and accurate. Pre-shipment samples provided are a true representative sample of the waste and were sampled in accordance with 40 CFR Part 261.20. Any analysis of the waste was conducted in accordance with the approved test methods in 40 CFR Part 261 on a representative sample as defined in 40 CFR Part 261.20. To the best of my knowledge, all known (40 CFR Part 261/OSHA) and suspected hazardous components have been included in this documentation. All material and packaging will comply with all current regulations.

SIGNATURE X [Signature] TITLE X [Signature] DATE X [Signature]
(To be signed by the generator)

SECTION K - DISPOSAL SITE USE ONLY

(Waste Approved For Receipt Contingent Upon Meeting The Following Conditions)

1. ☒ Normal Operating Arrival Hours (Mon.-Fri.): Bulk 7:30 a.m. - 2:00 p.m. Drums, Bags, Boxes and Special Handling 7:30 a.m. - 12:00 noon.
2. ☒ Waste Product Questionnaire Number (WPQ) must appear on each manifest or shipping paper required by EPA or DOT.
3. ☐ Atypical loads will be billed on a case-by-case basis for all special charges.
4. ☐ Acceptance ends _____
5. ☐ Generator must provide updated analysis _____, 18 _____ and _____ thereafter.
6. ☐ pH (for solids - 50% slurry of waste in distilled water) must be at least _____ but less than _____ by ESI methods.
7. ☐ Flash point of incoming material must be _____ °F or greater by ESI methods.
8. ☐ Bulk: No unauthorized materials or free liquids.
9. ☐ Manifest Notification/Certification required.
10. ☐ Bulk prohibition on mix without authorization.
11. ☐ General bulk waste mixing instructions.
12. ☐ Bulk must contain sufficient moisture to suppress dust.
13. ☐ Woven cloth bags; acceptance requirements.
14. ☐ Palletized boxes; acceptance requirements.
15. ☐ Material solid, non-flowable and Penetrometer Standard.
16. ☐ Miscellaneous debris _____ feet dimensional limit.
17. ☐ ESI has stds. for odor, temperature and liquid stability.
18. ☐ Odoriferous waste may not be acceptable.
19. ☐ Cyanide or sulfide permit limit requirements.
20. ☐ PCB concentration limit requirements.
21. ☐ CERCLA waste must be identified on the manifest.
22. ☒ Generator must schedule all shipments with disposal facility.
23. ☐ WPQ number stenciled on each drum or container (top, side).
24. ☐ Drums no free liquid, void space, metal, < 800 pounds.
25. ☐ Containerized material must be solid, non-flowable.
26. ☐ Dump trucks, end dumps, roll-on/roll-off containers and other bulk containers must be fully lined with minimum 6 mil visqueen.
27. ☐ Drums contain sufficient outage, metal only, < 800 pounds.
28. ☐ Heat generation in contact with water requirements.
29. ☐ Bulk liquid trucks must be self-unloading.
30. ☐ Gas generation in contact with water requirements.
31. ☐ Standard conditions for custom labpacks.
32. ☐ Standard conditions for generic asbestos.
33. ☐ Standard conditions for custom labpacks.
34. ☐ Standard conditions for generic labpacks.

ESI USE ONLY

Initial Review _____ Second Review _____ Final Review _____

Date Approved _____ Date Denied _____ Competability _____

Treatment/Disposal Routing _____

Fingerprint Parameters Preacceptance Range:

Process Control Parameters

Acceptable Range:

APPENDIX D
LABORATORY ANALYSIS REPORT



Analytical **Technologies, Inc.**

560 Naches Avenue, S.W., Suite 101, Renton, WA 98055, (206) 228-8335

ATI I.D. # 8811-099

DAMES & MOORE
SEATTLE

DEC 1 1988

ROUTING ☐ _____

December 6, 1988

Dames & Moore
500 Market Place Tower
2025 First Avenue
Seattle, WA 98121

Attention : Kim Marcus

Project Number : 17809-001

Project Name : Hillman Properties

On November 29, 1988 Analytical Technologies, Inc. received three soil samples for analyses. The samples were analyzed with EPA methodology or equivalent methods as specified in the attached analytical schedule. The results, sample cross reference, and the quality control data are enclosed.

Donna M. McKinney
Donna McKinney
Metals Chemist

FWG/hbb

Frederick W. Grothkopp
Frederick W. Grothkopp
Technical Manager

ATI I.D. # 8811-099

SAMPLE CROSS REFERENCE SHEET

CLIENT : DAMES & MOORE
PROJECT # : 17809-001
PROJECT NAME : HILLMAN PROPERTIES

ATI #	CLIENT DESCRIPTION	MATRIX	DATE SAMPLED
8811-099-1	HP-1	SOIL	11/28/88
8811-099-2	HP-2	SOIL	11/28/88
8811-099-3	HP-3	SOIL	11/28/88

----- TOTALS -----

MATRIX	# SAMPLES
SOIL	3

ATI STANDARD DISPOSAL PRACTICE

The samples from this project will be disposed of in thirty (30) days from the date of this report. If an extended storage period is required, please contact our sample control department before the scheduled disposal date.



ATI I.D. # 8811-099

ANALYTICAL SCHEDULE

CLIENT : DAMES & MOORE
PROJECT # : 17809-001
PROJECT NAME : HILLMAN PROPERTIES

ANALYSIS	TECHNIQUE	REFERENCE/METHOD
LEAD	AA/F	EPA 7420

ATI I.D.# 8811-099

METALS RESULTS

CLIENT : DAMES & MOORE
PROJECT # : 17809-001
PROJECT NAME : HILLMAN PROPERTIES

SAMPLE MATRIX : SOIL

UNITS : mg/Kg

PARAMETER	-1	-2	-3
LEAD	<10	<10	<10

ATI I.D. # 8811-099

METALS QUALITY CONTROL

CLIENT : DAMES & MOORE
PROJECT # : 17809-001
PROJECT NAME : HILLMAN PROPERTIES

SAMPLE MATRIX : SOIL
UNITS : mg/Kg

PARAMETER	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED SAMPLE	SPIKE CONC	% REC
LEAD	8811-093-3	<10	<10	0	1,010	1,000	101

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

ATI I.D. # 8811-099

GENERAL CHEMISTRY RESULTS

CLIENT : DAMES & MOORE
PROJECT # : 17809-001
PROJECT NAME : HILLMAN PROPERTIES

SAMPLE MATRIX : SOIL

PARAMETER	UNITS	-1	-2	-3
MOISTURE	%	7.3	7.9	9.8

ATI I.D. # 8811-099

GENERAL CHEMISTRY QUALITY CONTROL

CLIENT : DAMES & MOORE
 PROJECT # : 17809-001
 PROJECT NAME : HILLMAN PROPERTIES

SAMPLE MATRIX : SOIL

PARAMETER	UNITS	ATI I.D.	SAMPLE RESULT	DUP RESULT	RPD	SPIKED CONC	SPIKE ADDED	% REC
MOISTURE	%	8811-105-4	12	12	0	N/A	N/A	N/A

$$\% \text{ Recovery} = \frac{(\text{Spike Sample Result} - \text{Sample Result})}{\text{Spike Concentration}} \times 100$$

$$\text{RPD (Relative \% Difference)} = \frac{(\text{Sample Result} - \text{Duplicate Result})}{\text{Average Result}} \times 100$$

GENERATOR INFORMATION

SAMPLE INFORMATION

	No.	DEPTH	TYPE	DATE	TIME
Facility <u>Hillman Properties</u>	-1	HP-1	1ft Soil	11/28/88	12:45p
Address <u>Columbia Way</u>	-2	HP-2	" "	" "	13:20
<u>Vancouver, WA</u>	-3	HP-3	" "	" "	13:45
Telephone () _____					

COLLECTOR INFORMATION

Collected by Dames + Moore

Address 1220 SW Morrison #404
Portland Ore 97225

Telephone (503) 228-7688

Suspected Waste Constituents

Test all samples for total lead.
No Compositing. Retain remaining portion.

Field Conditions/Remarks _____

SAMPLE ALLOCATION

Name ATI ☒ sample received intact

Address 560 Naches Ave S.W. #101 none sample received damaged or missing
Renton, WA 98055 (describe on back)

Telephone (206) 228-8335 [Signature] 11/29/88
(Signature) (Date)

CHAIN OF POSSESSION

Relinquished by:	Date	Time	Received by:	Date	Time
(Signature)			(Signature)		
1. <u>Lon Yordell</u>	<u>11/28/88</u>	<u>4:00 p</u>	<u>J. Hillman</u>	<u>11/29/88</u>	<u>11:49</u>
2. _____					
3. _____					
4. _____					

Distribution

White-w/shipment-for consignee files
Blue-w/shipment-forward to Dames & Moore
Attn: Kim Marcus

Pink-with report
Goldenrod-Dames & Moore - Job File
Dames & Moore